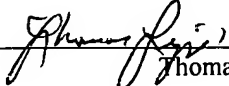




**CERTIFICATE OF MAILING**

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Thomas Lizzi

Date: March 27, 2007

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the application of: Rynerson et al.	)	GROUP ART UNIT: 1732
Serial No.: 10/571,406	)	
371(c) Date: July 31, 2006	)	Examiner: Theisen, Mary Lynn F.
Int'l Filing Date: September 9, 2004	)	
For: Layered Manufactured Articles	)	Date: March 27, 2007
Having Small-Width Fluid	)	
Conduction Vents and Methods	)	
of Making Same	)	

Mail Stop Amendment  
Commissioner For Patents  
P.O.Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**INFORMATION DISCLOSURE STATEMENT**

In accordance with the provisions of 37 C.F.R. 1.51, 1.56, 1.97, and 1.98, the art that is identified on the attached forms PTO/SB/08A and PTO/SB/08B is being disclosed with regard to the above-identified application. Copies of all publications which are not U.S. patents or U.S. patent application are enclosed herewith in accordance with 37 C.F.R. 1.98. No significance is meant to be given to any markings that may be found on the enclosed copies. The art that is identified is not necessarily analogous art. Applicants hereby request the Examiner to review and make an independent evaluation of the art. Applicants also hereby respectfully request that initialed copies of the PTO/SB/08A and PTO/SB/08B be returned to the undersigned.

Applicants believe from a consultation of the USPTO Private Pair system that this Information Disclosure Statement is being filed within the time period specified in 37 C.F.R. 1.97 (b), and therefore believe that no filing fee is required. In the case that Applicants are mistaken in this belief, Applicants request the opportunity to refile the instant document with the appropriate fee without any loss of right.

Applicants want to bring to the attention of the examiner the existence of application Ser. No. 10/571,176 that is currently pending. That application has been published as US 2007-0029698 A1.

Applicants also point out that a full translation of the German-language DE 199 37 315 A1 is provided along with a copy of the original document. For EP 0 908 286, which is also in the German-language, a translation of its abstract is provided along with a copy of the original document.

Applicants believe that their invention as described and claimed in the instant application is neither taught nor suggested by the disclosed art. Accordingly, Applicants' invention is believed to be patentable over this art.

Respectfully submitted,



Thomas Lizzi, Esq.

Reg. No. 35,252

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March 27, 2007



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Institute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 2

**Complete if Known**

Application Number	10/571,406
Filing Date	July 31, 2006
First Named Inventor	Rynerson, Michael
Art Unit	1732
Examiner Name	Theisen, Mary Lynn F.
Attorney Docket Number	EH-0140

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 5,076,869	12-31-1991	Bounell et al.	
		US- 5,454,703	10-03-1995	Bishop	
		US- 5,775,402	07-07-1998	Sachs et al.	
		US- 6,036,777	03-14-2000	Sachs	
		US- 6,368,871 B1	04-09-2002	Christel et al.	
		US- 6,585,930	07-01-2003	Liu et al.	
		US- 6,802,640 B2	10-12-2004	Schubert et al.	
		US- 2007-0029698 A1	02-08-2007	Rynerson et al.	
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**FOREIGN PATENT DOCUMENTS**

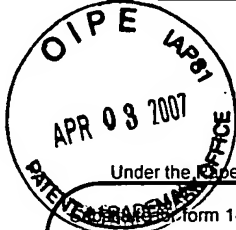
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		EP 0 868 955 A1	10-07-1998	Pirelli Coordinamento Pne		
		EP 0 908 286 A1	04-14-1999	Fraunhofer-Gesellschaft	Eng. Abstr. Provided	
		DE 199 37 315 A1	02-22-2001	Muller Weingarten AG	Translation Provided	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/08B (09-06)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/571,406
Filing Date	July 31, 2006
First Named Inventor	Rynerson, Michael
Art Unit	1732
Examiner Name	Theisen, Mary Lynn F.
Attorney Docket Number	EH-0140

Sheet 2

of

2

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		J. TOBIN et al., "Rapid Stereolithography Molds," 8182 Motorola Technical Developments, Volume 15 (1992) May, page 38, Schaumburg, Illinois, US	
		EXTRUDE HONE CORPORATION, "Development of the 3D Printing Process. . .," ATP Quarterly R&D Performance Report, November 12, 2002, NIST Cooperative Agreement No. 70NANB7H3030	
		EXTRUDE HONE CORPORATION, "Development of the Three-Dimensional Printing Process . . .," Final Report, July 30, 2003, NIST Cooperative Agreement No. 70NANB7H3030	
		PCT International Search Report for PCT/US2004/029229, February 25, 2005, EPO as ISA	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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